

AN ORDINANCE
BY FINANCE EXECUTIVE COMMITTEE

AN ORDINANCE TO AMEND THE AMORTIZATION SCHEDULES OF THE GENERAL EMPLOYEES, POLICE OFFICERS, AND FIREFIGHTERS PENSION PLANS FROM A FORTY YEAR CLOSED SCHEDULE TO A THIRTY YEAR OPEN ENDED SCHEDULE; AND FOR OTHER PURPOSES.]

WHEREAS, the City of Atlanta (the "City") has been adversely affected by the national economic downturn; and

WHEREAS, the financial strain due in part to the economic requires the City implement additional cost saving measures; and

WHEREAS, the City has obtained two independent actuarial studies on the fiscal impact of revising the amortization schedule for the unfunded accrued liability of the three pension funds; and

WHEREAS, these studies indicate the City's obligation towards the annual required contribution to fund the unfunded accrued liability of the pension funds creates an approximate savings of \$30,000,000.00 (THIRTY MILLION DOLLARS) by moving away from the 45 year closed schedule to a 30 year open ended amortization schedule; and

WHEREAS, the City in accordance with its Home Rule Powers is authorized and within the guidelines of the Governmental Accounting Standards Board is in compliance, and so desires to amend its amortization schedule for the accrued unfunded liability of its three pension funds

NOW THEREFORE THE CITY OF ATLANTA GEORGIA HEREBY ORDAINS
as follows:

Section 1: That § 6-36 of 1972 Ga. Laws, page 3803, § 1 as was codified in the City of Atlanta Code of Ordinances (General Employees Pension Fund) is hereby amended as follows:

Paragraph (m) subsection is struck in its entirety and a new paragraph (m) subsection inserted which shall read as follows:

(m) In addition to the funds derived from deductions from salaries and wages, as required by subsection (i) of this amendment, it shall be the duty of the governing authority of such cities to appropriate and pay into the pension fund each year an amount which shall be equal to the actuarially determined percentage of members' salary and wages necessary to pay the normal cost contribution of benefits earned by members and to amortize the unfunded accrued liability of the pension fund on an open ended 30

year schedule commencing July 1, 2009, after deducting contributions required of officers and employees required by subsection (i) of this amendment.

For purposes of paying the required employer contributions provided above, the governing authority of such cities shall be authorized to levy ad valorem taxes payable to the pension fund sufficient to amortize the unfunded accrued liability under provisions of this amendment within an open end schedule of thirty (30) years commencing July 1, 2009, and upon the determination by an independent actuarial valuation as provided in subsection (n) below that such unfunded accrued liability has been amortized, such authorization to levy such ad valorem taxes shall cease. Should said pension fund at any time be insufficient to meet and pay the pension due to such officers and employees, the governing authority shall appropriate from current funds amounts sufficient to make up the deficiency as it relates to the respective officers and employees and deposit same into said pension fund. Should such actuarial valuation as provided in subsection (n) below result in a determination that the total required employer contribution would be less than the contribution required of members by subsection (i) of this amendment, then the contributions required of members by subsection (i) of this amendment shall be reduced and the required employer contributions in this subsection shall be increased so that the member contributions required by subsection (i) will not be greater than the required employer contributions under this subsection.

Section 2: That § 6-222 of 1933 Ga. Laws, page 213, as was codified in the City of Atlanta Code of Ordinances (Police Officers Pension Fund) is hereby amended as follows:

Paragraph (m) subsection is struck in its entirety and a new paragraph (m) subsection inserted which shall read as follows:

(m) In addition to the funds derived from deductions from salaries and wages, as required by subsection (i) of this amendment, it shall be the duty of the governing authority of such cities to appropriate and pay into the pension fund each year an amount which shall be equal to the actuarially determined percentage of members' salary and wages necessary to pay the normal cost contribution of benefits earned by members and to amortize the unfunded accrued liability of the pension fund on an open ended 30 year schedule commencing July 1, 2009, after deducting contributions required of officers and employees required by subsection (i) of this amendment.

For purposes of paying the required employer contributions provided above, the governing authority of such cities shall be authorized to levy ad valorem taxes payable to the pension fund sufficient to amortize the unfunded accrued liability under provisions of this amendment within

an open end schedule of thirty (30) years commencing July 1, 2009, and upon the determination by an independent actuarial valuation as provided in subsection (n) below that such unfunded accrued liability has been amortized, such authorization to levy such ad valorem taxes shall cease. Should said pension fund at any time be insufficient to meet and pay the pension due to such officers and employees, the governing authority shall appropriate from current funds amounts sufficient to make up the deficiency as it relates to the respective officers and employees and deposit same into said pension fund. Should such actuarial valuation as provided in subsection (n) below result in a determination that the total required employer contribution would be less than the contribution required of members by subsection (i) of this amendment, then the contributions required of members by subsection (i) of this amendment shall be reduced and the required employer contributions in this subsection shall be increased so that the member contributions required by subsection (i) will not be greater than the required employer contributions under this subsection.

Section 3: That §6-367 of 1973 Ga. Laws, page 2880, § 2, as codified in the City of Atlanta Code of Ordinances (Firefighters Pension Fund) is hereby amended as follows:

(m) In addition to the funds derived from deductions from salaries and wages, as required by subsection (i) of this amendment, it shall be the duty of the governing authority of such cities to appropriate and pay into the pension fund each year an amount which shall be equal to the actuarially determined percentage of members' salary and wages necessary to pay the normal cost contribution of benefits earned by members and to amortize the unfunded accrued liability of the pension fund on an open ended 30 year schedule commencing July 1, 2009, after deducting contributions required of officers and employees required by subsection (i) of this amendment.

For purposes of paying the required employer contributions provided above, the governing authority of such cities shall be authorized to levy ad valorem taxes payable to the pension fund sufficient to amortize the unfunded accrued liability under provisions of this amendment within an open end schedule of thirty (30) years commencing July 1, 2009, and upon the determination by an independent actuarial valuation as provided in subsection (n) below that such unfunded accrued liability has been amortized, such authorization to levy such ad valorem taxes shall cease. Should said pension fund at any time be insufficient to meet and pay the pension due to such officers and employees, the governing authority shall appropriate from current funds amounts sufficient to make up the deficiency as it relates to the respective officers and employees and deposit same into said pension fund. Should such actuarial valuation as provided in subsection (n) below result in a determination that the total required employer contribution would be less than the contribution

required of members by subsection (i) of this amendment, then the contributions required of members by subsection (i) of this amendment shall be reduced and the required employer contributions in this subsection shall be increased so that the member contributions required by subsection (i) will not be greater than the required employer contributions under this subsection.

Section 4: That all ordinances or parts of ordinances in conflict with this ordinance are hereby repealed.

Part II: Legislative White Paper: (This portion of the Legislative Request Form will be shared with City Council members and staff)

A. To be completed by Legislative Counsel:

Committee of Purview: Finance Executive Committee

Caption: AN ORDINANCE TO AMEND THE AMORTIZATION SCHEDULES OF THE GENERAL EMPLOYEES, POLICE OFFICERS, AND FIREFIGHTERS PENSION PLANS FROM A FORTY YEAR CLOSED SCHEDULE TO A THIRTY YEAR OPEN ENDED SCHEDULE; AND FOR OTHER PURPOSES.

Council Meeting Date: May 4, 2009

Requesting Dept.: Department of Finance

FAC Confirmed by:

B. To be completed by the department:

1. Please provide a summary of the purpose of this legislation (Justification Statement).

2. Please provide background information regarding this legislation.

3. **If Applicable/Known:**

(a) **Contract Type (e.g. Professional Services, Construction Agreement, etc):**

(b) **Source Selection:**

(c) **Bids/Proposals Due:**

(d) **Invitations Issued:**

(e) **Number of Bids:**

(f) **Proposals Received:**

(g) **Bidders/Proponents:**

(h) **Term of Contract:**

4. Fund Account Center (Ex. Name and number):

Fund: _____ Account: _____ Center: _____

5. Source of Funds: *Example: Local Assistance Grant*

6. Fiscal Impact:

Example: This legislation will result in a reduction in the amount of _____ to Fund Account Center Number _____.

7. Method of Cost Recovery:

Examples:

- a. Revenues generated from the permits required under this legislation will be used to fund the personnel needed to carry out the permitting process.*
- b. Money obtained from a local assistance grant will be used to cover the costs of this Summer Food Program.*

This Legislative Request Form Was Prepared By: J. W. Glass

Harding, Bertha

From: Tilson, Jack
Sent: Wednesday, April 15, 2009 2:52 PM
To: Harding, Bertha
Cc: Jackson, Adrian
Subject: Legislative REquest Form, for 30 year ammtz.
Attachments: 410851_1.DOC

This is the legislative request form for the 30 year amtz.... You have the transmittal sheet, blue back, and legislation to accompany this document. It now is complete and can be delivered to LaShawn. I will send the cash carry forward request immediately after this email. Then you should have all the pieces for submission.
Jack

4/15/2009

City of Atlanta General Employees Plan

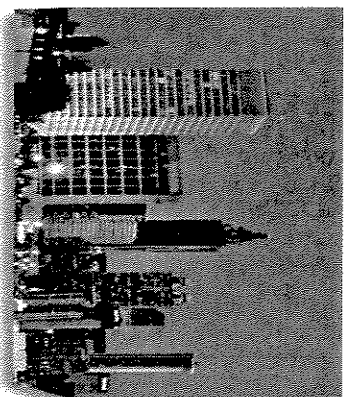
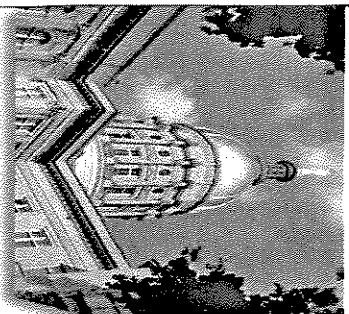
Alternatives for extending Unfunded Amortization period
Meeting #3

April 14, 2009

DRAFT

Eric J. Atwater, FSA, MAAA, EA
Consulting Actuary

Leon "Rocky" Joyner, FCA, MAAA, EA
Consulting Actuary



★ SEGAL

Table of Contents

- I. Introduction**
- II. Projection Assumptions**
- III. Projection of ARC (as % of Covered Payroll)**
- IV. Projection of ARC (in dollars)**
- V. Projection of Funded %**
- VI. Projection of Market Value of Assets**
- VII. Projection of Annual Cash Flows (excluding Investment Income)**
- VIII. Projection of Annual Cash Flows (including Interest & Dividends)**
- IX. Summary of Alternatives**
- X. Projection of Unfunded Actuarial Accrued Liability**
- XI. Appendices**
 - Projection Annual Cash Flows – Current Amortization Schedule
 - Projection Annual Cash Flows – 30-Year Open Amortization Schedule
 - Projection Annual Cash Flows – 25-Year Open Amortization Schedule
 - Projection Annual Cash Flows – Componentized Amortization Schedule

Introduction

➤ **At the direction of the City of Atlanta's CFO and COO, we have analyzed the impact of extending the amortization period for the unfunded actuarial accrued liability (UAAL).**

- Currently, the unfunded actuarial accrued liability (UAAL) is amortized over a "closed" 17.5 years (18.5 for School Board).
- A "closed" amortization period declines each year and will fully fund the UAAL at the end of the period. An "open" amortization period amortizes the UAAL over the same period every year and will **NOT** fully fund the Plan unless investment returns are greater than the assumed rate of return.
- Therefore, the current methodology will fully fund the Plan at the end of the amortization period (or January 1, 2025 for General Employees).

➤ **We have analyzed four (4) UAAL amortization methods for the City to consider.**

- 30-year Open amortization of entire UAAL beginning with Fiscal Year 2009;
- 25-year Open amortization of entire UAAL beginning with Fiscal Year 2009;
- Componentized amortization of UAAL: (1) UAAL as of 1/1/2005 remains on current amortization schedule (ie. fully funded 1/1/2025); plus (2) 25-year Closed amortization of remaining UAAL; and
- Componentized amortization of UAAL: (1) UAAL as of 1/1/2001 remains on "original" amortization schedule (ie. 40 years from 1979 or fully funded 1/1/2019); plus (2) UAAL as of 1/1/2005 (excluding remaining UAAL from 1/1/2001) remaining on current amortization schedule (ie. fully funded 1/1/2025); plus (3) 25-year Closed amortization of remaining UAAL;
- All of the methods analyzed are in compliance with the Governmental Accounting Standards Board (GASB) and Georgia law

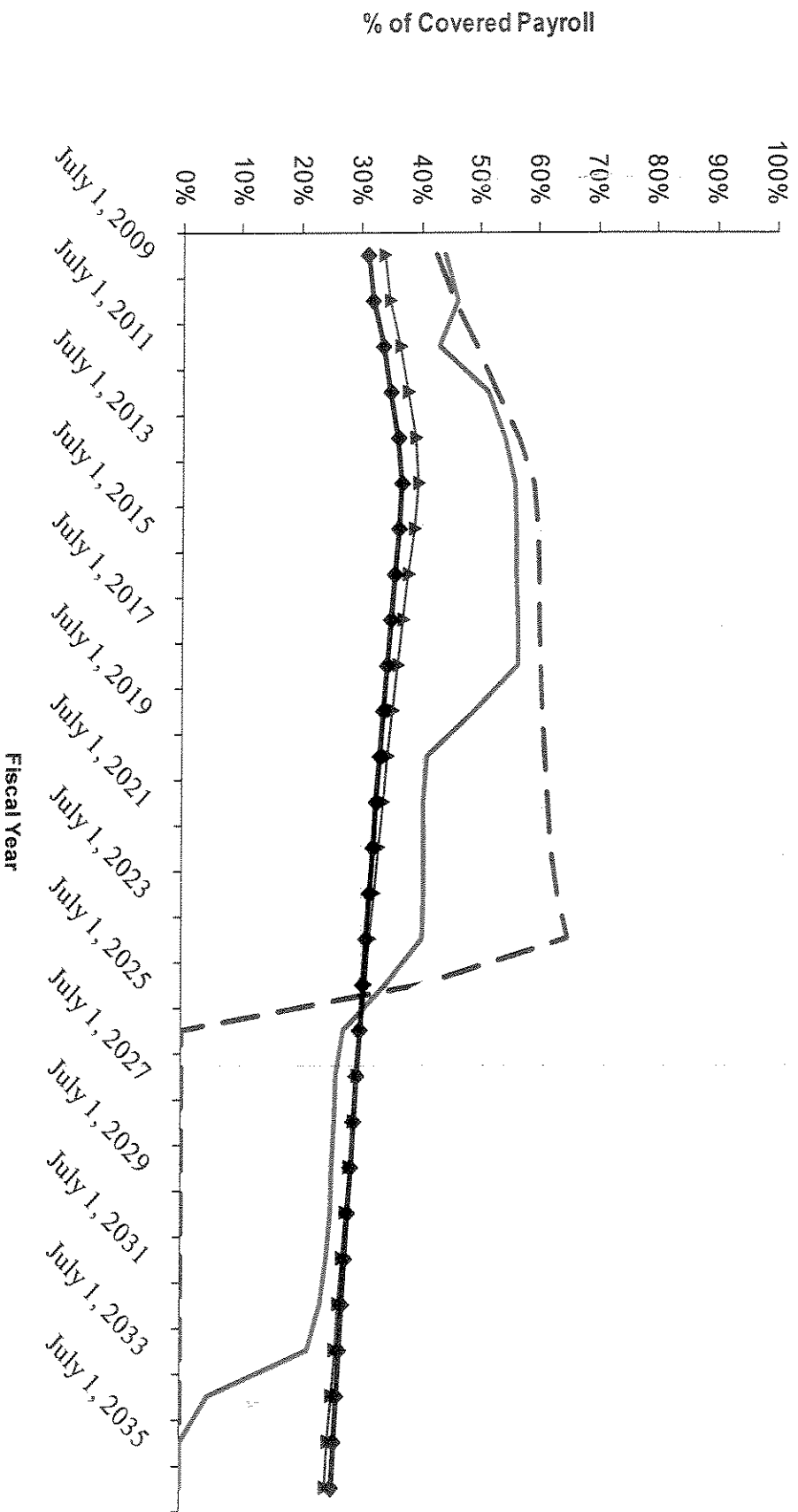
➤ **The City should fully understand the current and future implications of extending the UAAL amortization period.**

- Extending the UAAL amortization period will result in a lower Annual Required Contribution (ARC) initially, but may also lead to a lower funded percentage.
- The Open 30-year amortization produces the lowest possible ARC under GASB standards but does not fully fund the Plan. The funded% under an open 30-year amortization increases over time but the dollar amount of the UAAL continues to grow

Projection Assumptions

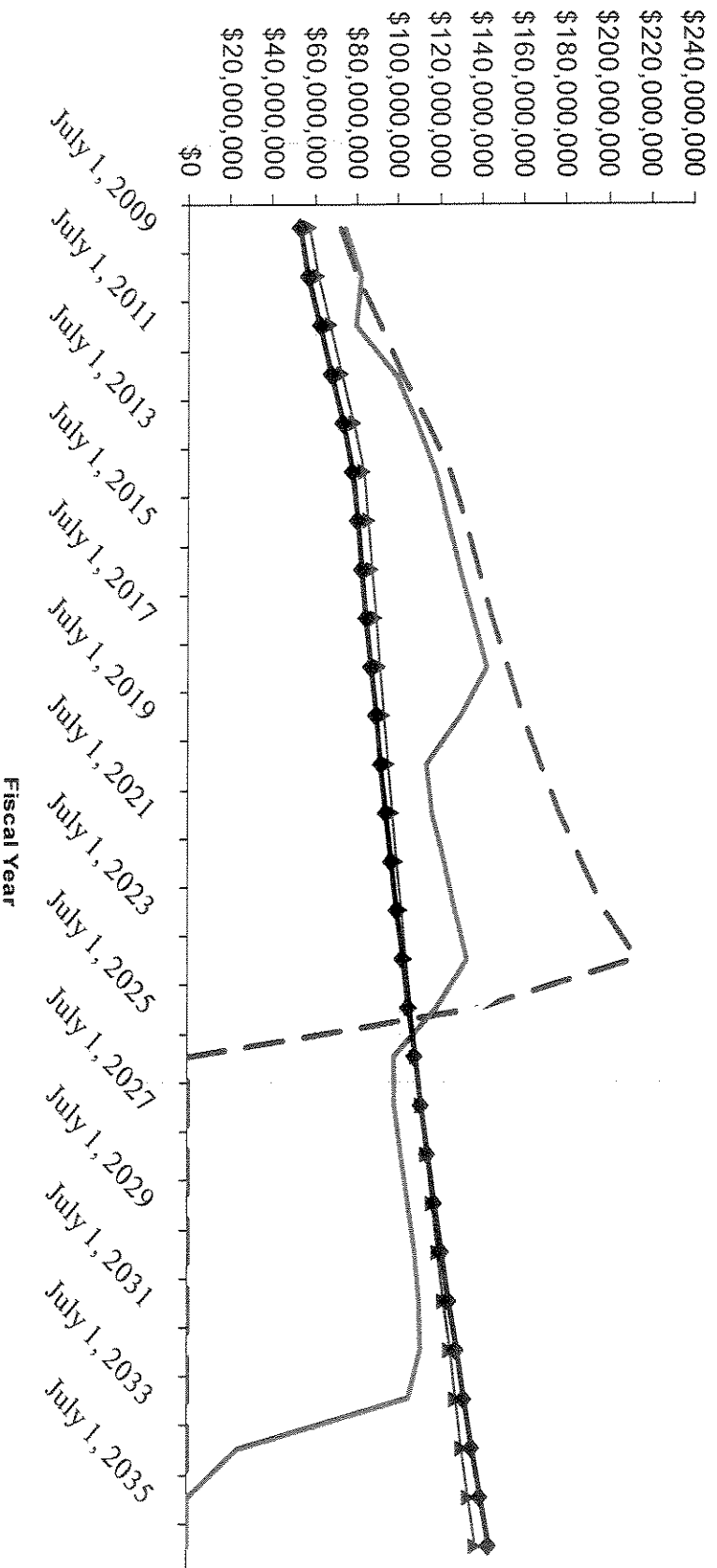
- **Discount Rate:** 8.00%
- **Market Value of Assets:** \$833 million as of July 1, 2008 (General Plan Only);
- **Investment Return:** -15.0% from July 1, 2008 - June 30, 2009; 5.0% from July 1, 2009 - June 30, 2010; 8.00% thereafter
- **Asset Valuation Method:** 5-year smoothing of asset appreciation; assumes 3.0% interest and dividends
- **Data:** As of July 1, 2008
- **Funding Method:** Entry Age Normal
- **Projection Methodology:** Projected liabilities based on July 1, 2008 results assuming all assumptions are met
- **Annual Normal Cost and Payroll Growth:** 4.50%
- **Recommended Contribution:** GASB Annual Required Contribution (ARC)

Projection of Annual Required Contribution (as % Covered Pay)



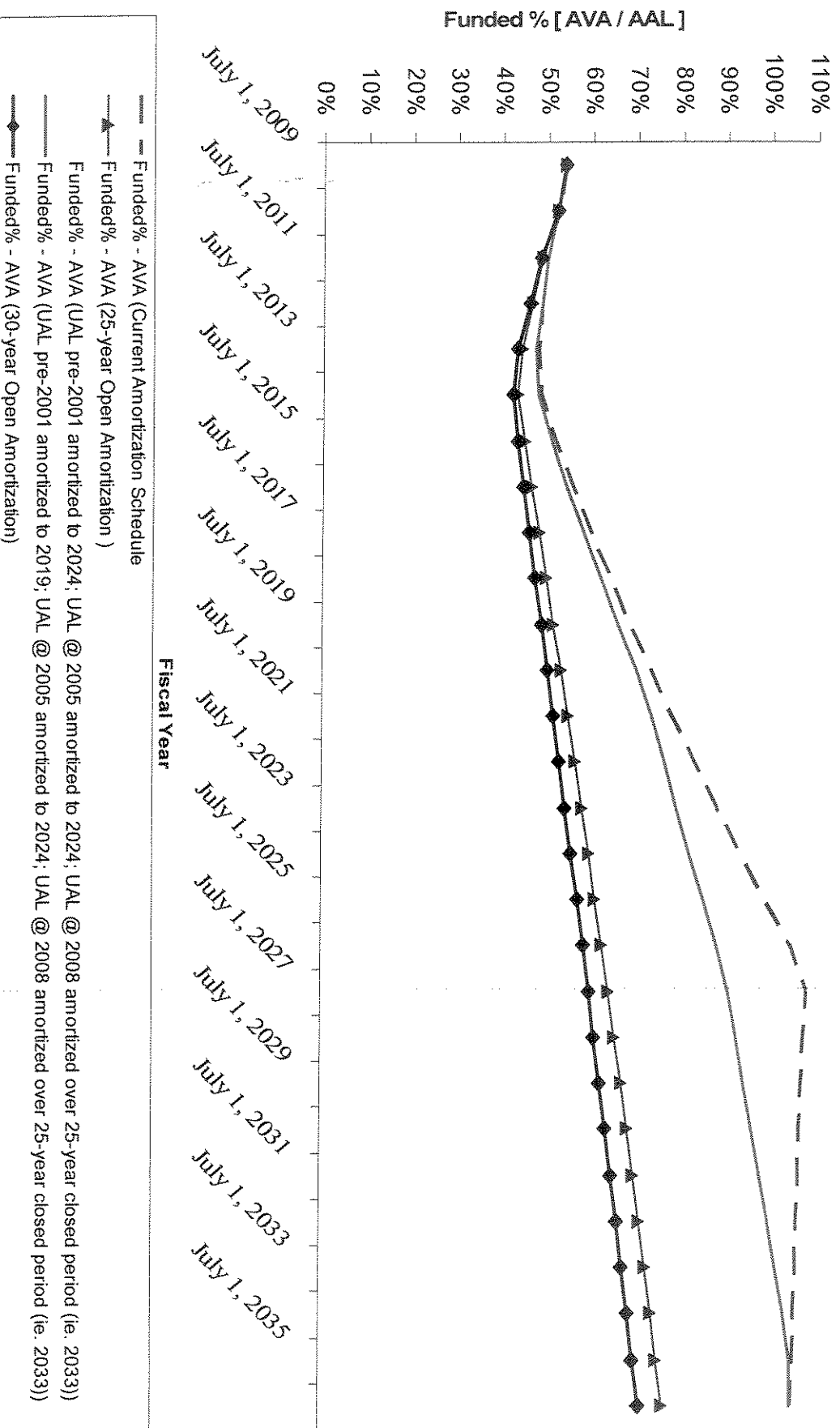
- ARC as % of Payroll (Current Amortization Schedule)
- ARC as % of Payroll (25-year Open Amortization)
- ARC as % of Payroll (UAL pre-2001 amortized to 2024; UAL @ 2005 amortized to 2024; UAL @ 2008 amortized over 25-year closed period (ie. 2033))
- ARC as % of Payroll (UAL pre-2001 amortized to 2019; UAL @ 2005 amortized to 2024; UAL @ 2008 amortized over 25-year closed period (ie. 2033))
- ARC as % of Payroll (30-year Open Amortization)

Projection of Annual Required Contribution (in \$)

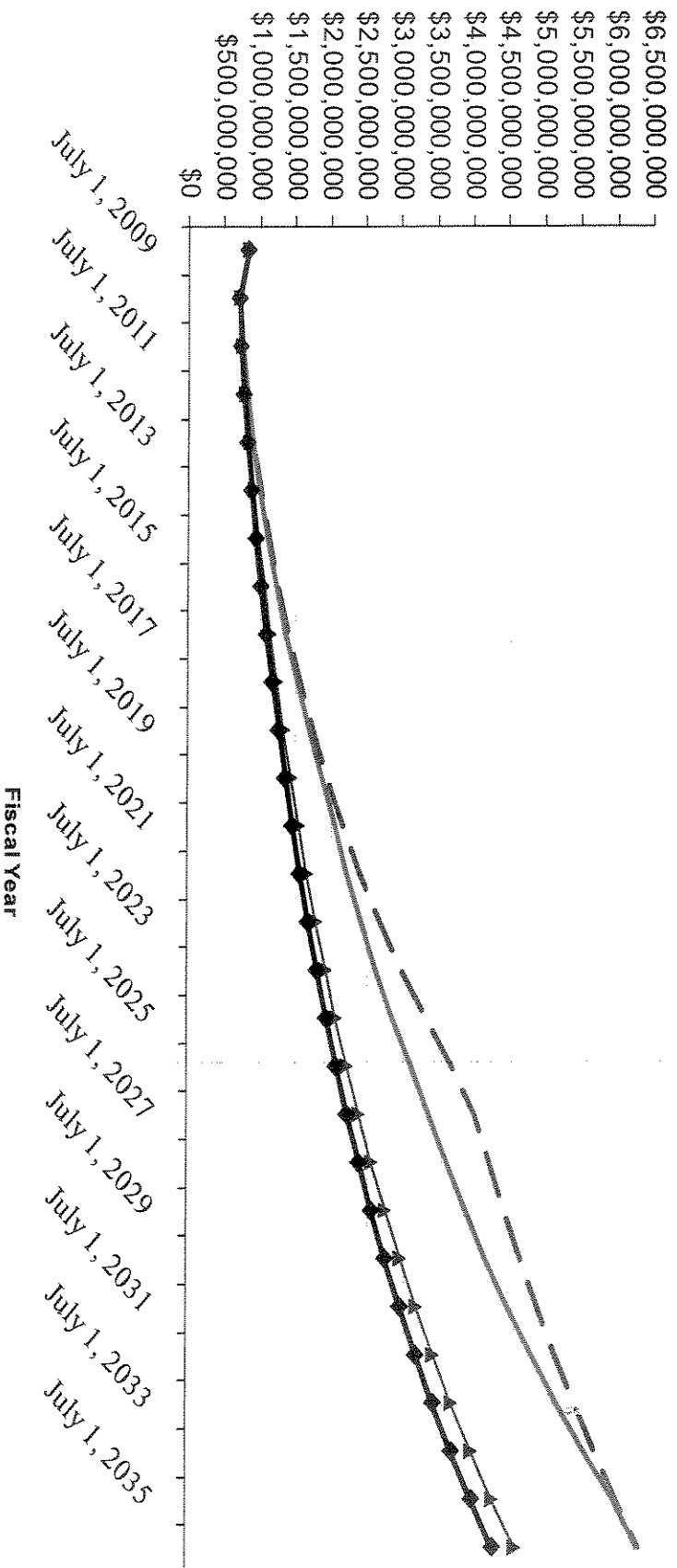


- • GASB ARC (Current Amortization Schedule)
- ▲ GASB ARC (25-year Open Amortization)
- GASB ARC (UAL pre-2001 amortized to 2024; UAL @ 2005 amortized to 2024; UAL @ 2008 amortized over 25-year closed period (ie. 2033))
- GASB ARC (UAL pre-2001 amortized to 2019; UAL @ 2005 amortized to 2024; UAL @ 2008 amortized over 25-year closed period (ie. 2033))
- ◆ GASB ARC (30-year Open Amortization)

Projection of Funded % (Actuarial Value of Assets / Actuarial Accrued Liability)



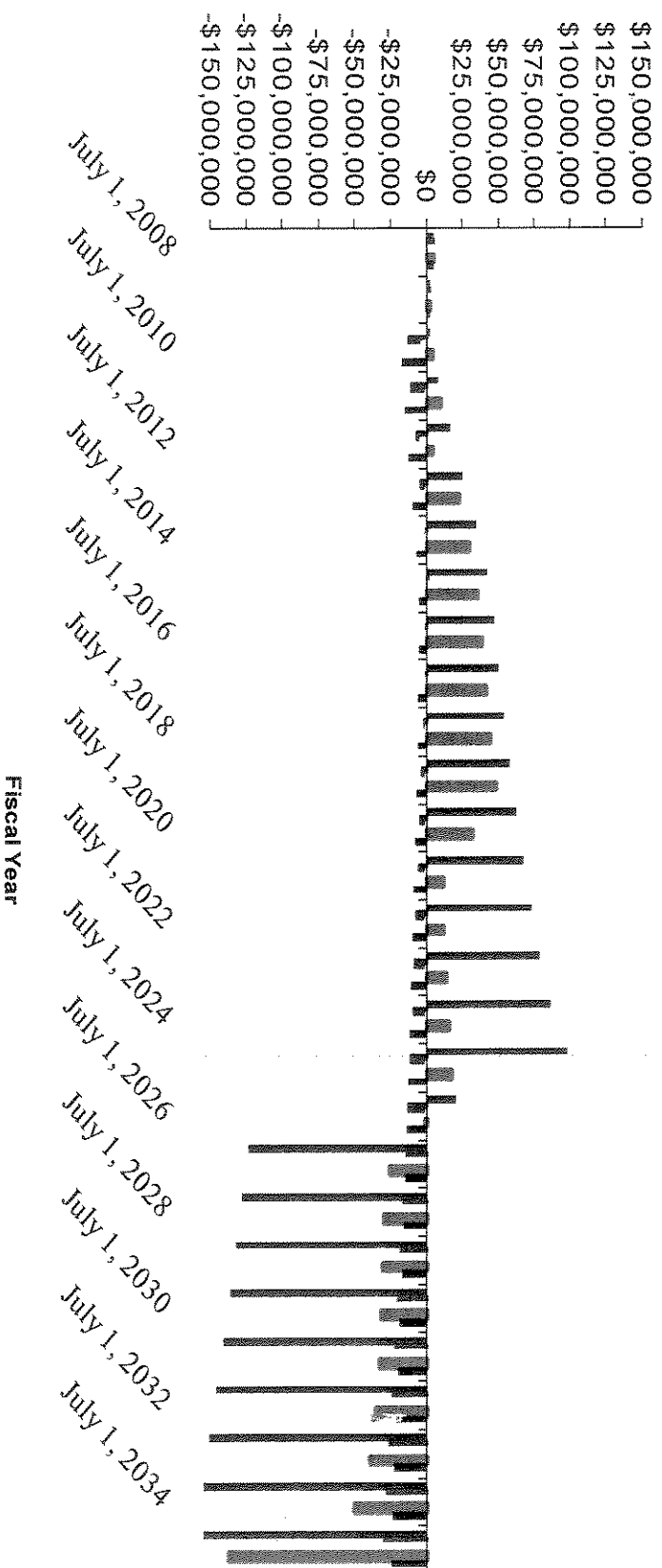
Projection of Market Value of Assets



- MVA (Current Amortization Schedule)
- ▲— MVA (25-year Open Amortization)
- MVA (UAL pre-2001 amortized to 2024; UAL @ 2005 amortized to 2024; UAL @ 2008 amortized over 25-year closed period (ie. 2033))
- ◆— MVA (UAL pre-2001 amortized to 2019; UAL @ 2005 amortized to 2024; UAL @ 2008 amortized over 25-year closed period (ie. 2033))

Projection of Annual Net Cash Flows (Contributions – Benefit Payments)

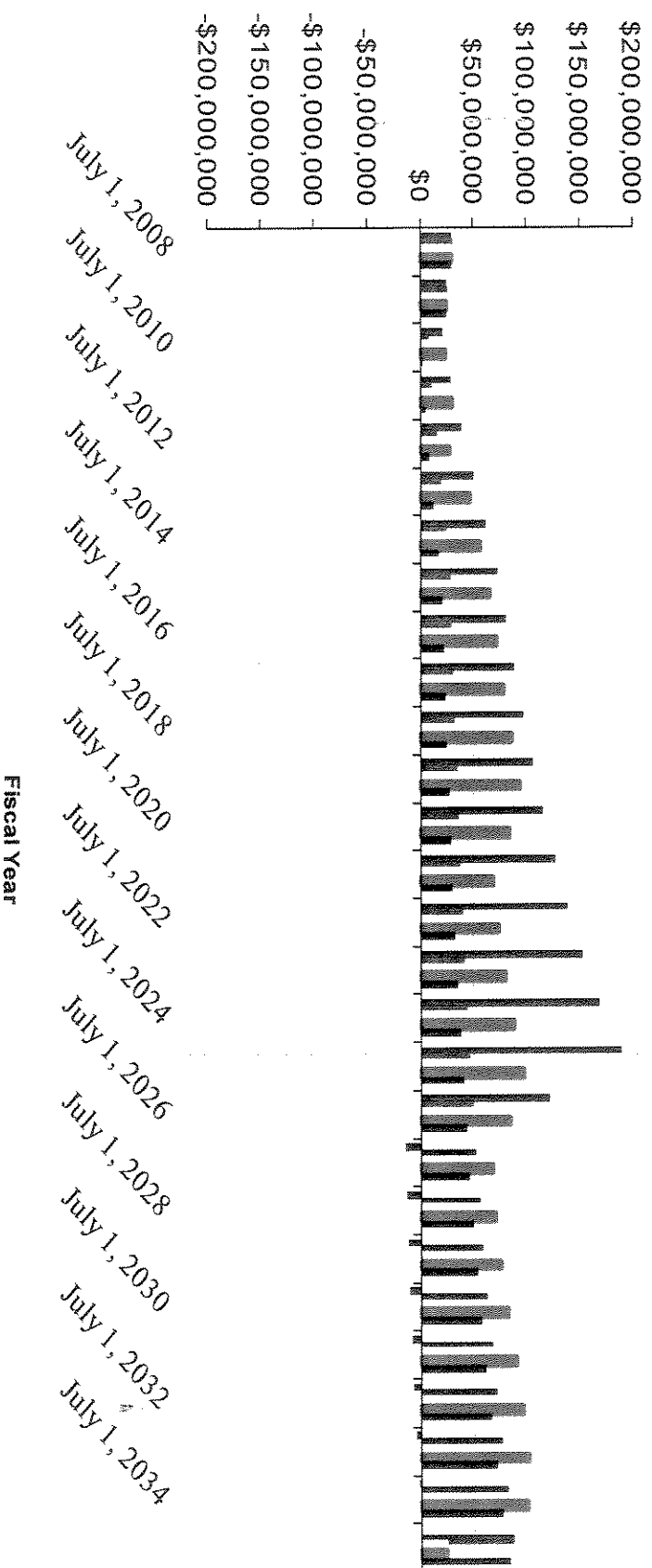
Annual Net Cash Flows (excluding Investment Income) = Contributions - Benefit Payments



- Net Cash Flows (Current/Amortization Schedule)
- Net Cash Flows (25-year Open Amortization)
- Net Cash Flows (UAL pre-2001 amortized to 2024; UAL @ 2005 amortized to 2024; UAL @ 2008 amortized over 25-year closed period (ie. 2033))
- Net Cash Flows (UAL pre-2001 amortized to 2019; UAL @ 2005 amortized to 2024; UAL @ 2008 amortized over 25-year closed period (ie. 2033))
- Net Cash Flows (30-year Open Amortization)

Projection of Annual Net Cash Flows (Contributions – Benefit Payments + Interest/Dividends)

Annual Net Cash Flows = Contributions - Benefit Payments + Net Interest/Dividends

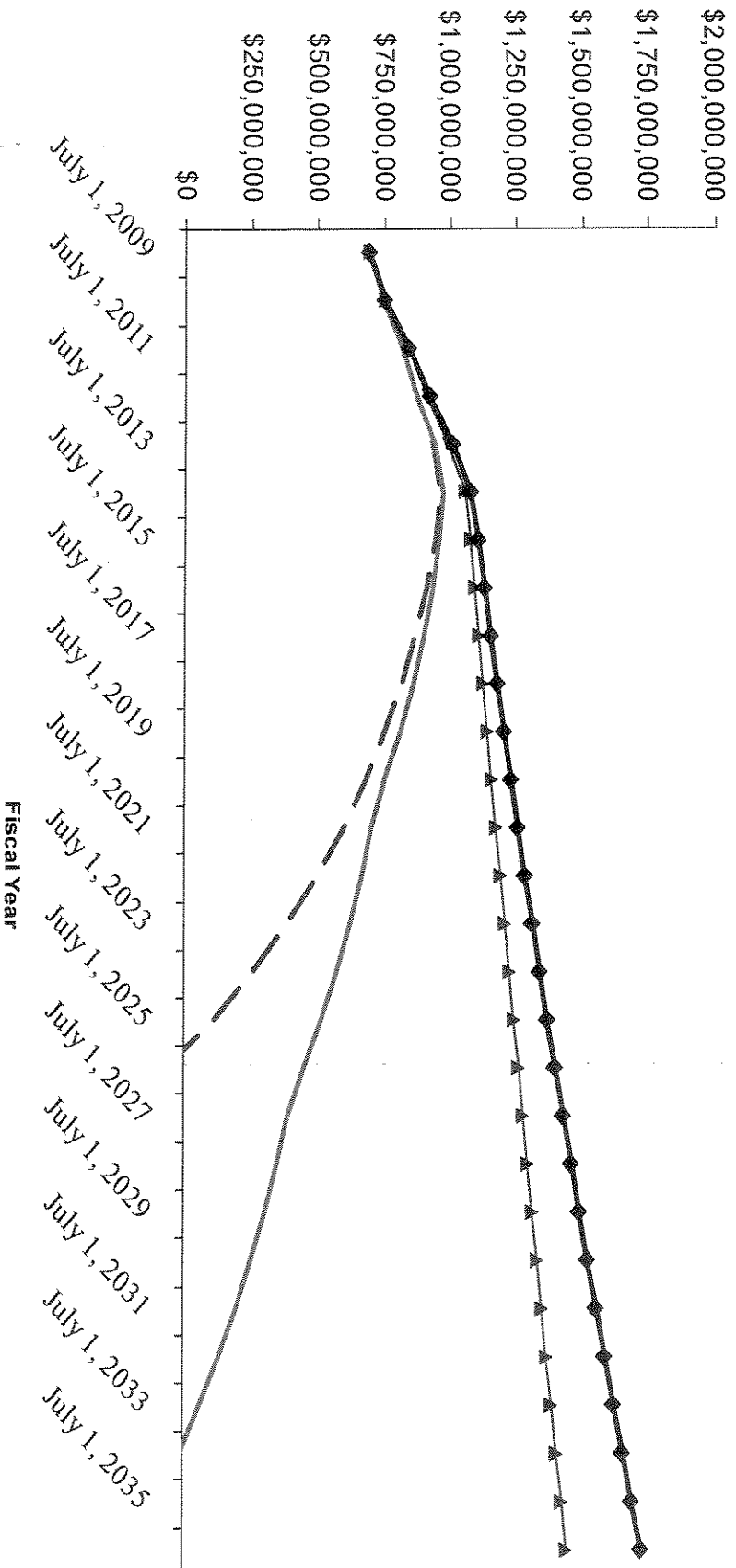


- Net Cash Flows-including Net Interest/Dividends (Current Amortization Schedule)
- Net Cash Flows-including Net Interest/Dividends (25-year Open Amortization)
- Net Cash Flows-including Net Interest/Dividends (UAL pre-2001 amortized to 2024; UAL @ 2005 amortized to 2024; UAL @ 2008 amortized over 25-year closed period (ie. 2033))
- Net Cash Flows-including Net Interest/Dividends (UAL pre-2001 amortized to 2019; UAL @ 2005 amortized to 2024; UAL @ 2008 amortized over 25-year closed period (ie. 2033))
- Net Cash Flows-including Net Interest/Dividends (30-year Open Amortization)

Summary of Alternatives

Fiscal Year Beginning	Current UAAL Amortization Methodology	UAL pre-2001 amortized to 2019; UAL @ 2005 amortized to 2024; UAL @ 2008 amortized over 25-year closed period (ie. 2033)		UAL pre-2001 amortized to 2024; UAL @ 2005 amortized to 2024; UAL @ 2008 amortized over 25-year closed period (ie. 2033)		25-year Open Amortization		30 year Open Amortization	
	ARC (in \$)	ARC (in \$)	Change from Current Methodology	ARC (in \$)	Change from Current Methodology	ARC (in \$)	Change from Current Methodology	ARC (in \$)	Change from Current Methodology
July 1, 2009	\$72,000,000	\$74,000,000	\$2,000,000	\$67,000,000	(\$5,000,000)	\$67,000,000	(\$15,000,000)	\$65,000,000	(\$19,000,000)
July 1, 2010	\$80,000,000	\$82,000,000	\$2,000,000	\$74,000,000	(\$6,000,000)	\$61,000,000	(\$19,000,000)	\$56,000,000	(\$24,000,000)
July 1, 2011	\$91,000,000	\$79,000,000	(\$12,000,000)	\$72,000,000	(\$19,000,000)	\$67,000,000	(\$24,000,000)	\$62,000,000	(\$29,000,000)
July 1, 2012	\$102,000,000	\$99,000,000	(\$3,000,000)	\$90,000,000	(\$12,000,000)	\$73,000,000	(\$29,000,000)	\$67,000,000	(\$35,000,000)
July 1, 2013	\$114,000,000	\$109,000,000	(\$5,000,000)	\$100,000,000	(\$14,000,000)	\$79,000,000	(\$35,000,000)	\$73,000,000	(\$41,000,000)
July 1, 2014	\$124,000,000	\$117,000,000	(\$7,000,000)	\$108,000,000	(\$16,000,000)	\$83,000,000	(\$41,000,000)	\$77,000,000	(\$47,000,000)
July 1, 2015	\$131,000,000	\$123,000,000	(\$8,000,000)	\$113,000,000	(\$18,000,000)	\$85,000,000	(\$46,000,000)	\$80,000,000	(\$51,000,000)
July 1, 2016	\$137,000,000	\$129,000,000	(\$8,000,000)	\$118,000,000	(\$19,000,000)	\$87,000,000	(\$50,000,000)	\$82,000,000	(\$55,000,000)
July 1, 2017	\$144,000,000	\$135,000,000	(\$9,000,000)	\$123,000,000	(\$21,000,000)	\$89,000,000	(\$55,000,000)	\$84,000,000	(\$60,000,000)
July 1, 2018	\$151,000,000	\$141,000,000	(\$10,000,000)	\$129,000,000	(\$22,000,000)	\$91,000,000	(\$60,000,000)	\$86,000,000	(\$65,000,000)
July 1, 2019	\$158,000,000	\$128,000,000	(\$30,000,000)	\$135,000,000	(\$23,000,000)	\$93,000,000	(\$65,000,000)	\$89,000,000	(\$69,000,000)
July 1, 2020	\$156,000,000	\$112,000,000	(\$54,000,000)	\$141,000,000	(\$25,000,000)	\$95,000,000	(\$71,000,000)	\$91,000,000	(\$75,000,000)
July 1, 2021	\$175,000,000	\$115,000,000	(\$60,000,000)	\$148,000,000	(\$27,000,000)	\$97,000,000	(\$78,000,000)	\$93,000,000	(\$82,000,000)
July 1, 2022	\$184,000,000	\$120,000,000	(\$64,000,000)	\$154,000,000	(\$30,000,000)	\$99,000,000	(\$85,000,000)	\$96,000,000	(\$88,000,000)
July 1, 2023	\$196,000,000	\$126,000,000	(\$70,000,000)	\$162,000,000	(\$34,000,000)	\$101,000,000	(\$95,000,000)	\$98,000,000	(\$98,000,000)
July 1, 2024	\$210,000,000	\$131,000,000	(\$79,000,000)	\$169,000,000	(\$41,000,000)	\$103,000,000	(\$107,000,000)	\$101,000,000	(\$109,000,000)
July 1, 2025	\$137,000,000	\$116,000,000	(\$21,000,000)	\$138,000,000	\$1,000,000	\$105,000,000	(\$32,000,000)	\$104,000,000	(\$33,000,000)
July 1, 2026	\$0	\$97,000,000	\$97,000,000	\$96,000,000	\$96,000,000	\$107,000,000	\$107,000,000	\$106,000,000	\$106,000,000
July 1, 2027	\$0	\$97,000,000	\$97,000,000	\$93,000,000	\$93,000,000	\$110,000,000	\$110,000,000	\$109,000,000	\$109,000,000
July 1, 2028	\$0	\$100,000,000	\$100,000,000	\$96,000,000	\$96,000,000	\$112,000,000	\$112,000,000	\$112,000,000	\$112,000,000
July 1, 2029	\$0	\$103,000,000	\$103,000,000	\$99,000,000	\$99,000,000	\$114,000,000	\$114,000,000	\$115,000,000	\$115,000,000
July 1, 2030	\$0	\$106,000,000	\$106,000,000	\$102,000,000	\$102,000,000	\$117,000,000	\$117,000,000	\$119,000,000	\$119,000,000
July 1, 2031	\$0	\$108,000,000	\$108,000,000	\$104,000,000	\$104,000,000	\$120,000,000	\$120,000,000	\$122,000,000	\$122,000,000
July 1, 2032	\$0	\$109,000,000	\$109,000,000	\$104,000,000	\$104,000,000	\$122,000,000	\$122,000,000	\$125,000,000	\$125,000,000
July 1, 2033	\$0	\$103,000,000	\$103,000,000	\$97,000,000	\$97,000,000	\$125,000,000	\$125,000,000	\$129,000,000	\$129,000,000
July 1, 2034	\$0	\$24,000,000	\$24,000,000	\$22,000,000	\$22,000,000	\$128,000,000	\$128,000,000	\$132,000,000	\$132,000,000
July 1, 2035	\$0	\$0	\$0	\$0	\$0	\$131,000,000	\$131,000,000	\$136,000,000	\$136,000,000
July 1, 2036	\$0	\$0	\$0	\$0	\$0	\$134,000,000	\$134,000,000	\$140,000,000	\$140,000,000
July 1, 2037	\$0	\$0	\$0	\$0	\$0	\$137,000,000	\$137,000,000	\$144,000,000	\$144,000,000
Total	\$2,372,000,000	\$2,763,000,000	\$411,000,000	\$2,854,000,000	\$482,000,000	\$2,922,000,000	\$560,000,000	\$2,861,000,000	\$609,000,000

Projection of UAAL



- UAL (Current Amortization Schedule)
- - - UAL (25-year Open Amortization)
- UAL (UAL pre-2001 amortized to 2024; UAL @ 2005 amortized to 2024; UAL @ 2008 amortized over 25-year closed period (ie. 2033))
- UAL (UAL pre-2001 amortized to 2019; UAL @ 2005 amortized to 2024; UAL @ 2008 amortized over 25-year closed period (ie. 2033))
- UAL (30-year Open Amortization)

Appendix A – Annual Net Cash Flows – Current Amortization Schedule

Plan Year Beginning	Current Amortization Schedule							Market Value End of Year
	A Market Value Beginning of Year	B City Contributions	C Employee Contributions	D Benefit Payments	E Expenses	F Interest and Dividends	G Asset Appreciation/Depreciation	
July 1, 2008	833,600,000	70,000,000	12,500,000	(80,100,000)	(2,500,000)	25,000,000	(147,700,000)	710,700,000
July 1, 2009	710,700,000	71,900,000	13,100,000	(82,900,000)	(2,100,000)	21,300,000	16,400,000	748,400,000
July 1, 2010	748,400,000	80,400,000	13,700,000	(85,900,000)	(2,200,000)	22,500,000	40,000,000	816,900,000
July 1, 2011	816,800,000	91,100,000	14,300,000	(88,900,000)	(2,500,000)	24,500,000	43,900,000	899,200,000
July 1, 2012	899,400,000	101,700,000	15,000,000	(92,000,000)	(2,700,000)	27,000,000	48,600,000	997,000,000
July 1, 2013	997,000,000	113,600,000	15,600,000	(95,200,000)	(3,000,000)	29,900,000	54,200,000	1,112,100,000
July 1, 2014	1,112,200,000	124,400,000	16,300,000	(98,500,000)	(3,300,000)	33,400,000	60,600,000	1,246,100,000
July 1, 2015	1,246,000,000	131,200,000	17,100,000	(102,000,000)	(3,700,000)	37,300,000	67,800,000	1,392,700,000
July 1, 2016	1,392,700,000	137,400,000	17,800,000	(105,500,000)	(4,200,000)	41,800,000	75,800,000	1,566,800,000
July 1, 2017	1,566,800,000	143,900,000	18,600,000	(109,200,000)	(4,700,000)	46,700,000	84,500,000	1,736,600,000
July 1, 2018	1,736,700,000	150,800,000	19,500,000	(113,000,000)	(5,200,000)	52,100,000	94,200,000	1,934,100,000
July 1, 2019	1,934,000,000	158,200,000	20,400,000	(117,000,000)	(5,800,000)	58,000,000	104,900,000	2,152,700,000
July 1, 2020	2,152,700,000	166,200,000	21,300,000	(121,100,000)	(6,500,000)	64,600,000	116,700,000	2,393,900,000
July 1, 2021	2,393,900,000	174,800,000	22,200,000	(125,300,000)	(7,200,000)	71,800,000	129,700,000	2,669,900,000
July 1, 2022	2,660,000,000	184,400,000	23,200,000	(129,700,000)	(8,000,000)	79,800,000	144,000,000	2,963,700,000
July 1, 2023	2,963,800,000	195,500,000	24,300,000	(134,300,000)	(8,900,000)	88,600,000	159,600,000	3,276,900,000
July 1, 2024	3,279,000,000	210,200,000	25,400,000	(139,000,000)	(9,800,000)	98,400,000	177,600,000	3,641,800,000
July 1, 2025	3,641,700,000	137,200,000	26,500,000	(143,800,000)	(10,900,000)	109,300,000	193,800,000	3,963,800,000
July 1, 2026	3,963,700,000	0	27,700,000	(148,900,000)	(11,900,000)	118,600,000	204,800,000	4,144,000,000
July 1, 2027	4,144,100,000	0	28,900,000	(154,100,000)	(12,400,000)	124,300,000	214,700,000	4,346,500,000
July 1, 2028	4,346,600,000	0	30,300,000	(159,500,000)	(13,000,000)	130,400,000	225,200,000	4,668,900,000
July 1, 2029	4,668,900,000	0	31,600,000	(165,000,000)	(13,700,000)	136,800,000	236,400,000	4,786,000,000
July 1, 2030	4,786,000,000	0	33,000,000	(170,800,000)	(14,400,000)	143,500,000	248,200,000	5,024,600,000
July 1, 2031	5,024,600,000	0	34,500,000	(176,800,000)	(15,100,000)	150,700,000	260,700,000	5,278,600,000
July 1, 2032	5,278,700,000	0	36,100,000	(183,000,000)	(15,800,000)	158,400,000	274,000,000	5,648,400,000
July 1, 2033	5,648,300,000	0	37,700,000	(189,400,000)	(16,600,000)	166,400,000	288,100,000	5,834,600,000
July 1, 2034	6,834,600,000	0	39,400,000	(196,000,000)	(17,500,000)	175,000,000	303,100,000	6,138,600,000
July 1, 2036	6,138,600,000	0	41,200,000	(202,900,000)	(18,400,000)	184,200,000	319,000,000	6,461,600,000

Appendix B – Annual Net Cash Flows – 30-Year Open Amortization Schedule

Plan Year Beginning	30-year Open Amortization							
	A	B	C	D	E	F	G	H=A+B+C+D+E+F+G
Market Value Beginning of Year	City Contributions	Employee Contributions	Benefit Payments	Expenses	Interest and Dividends	Asset Appreciation/Depreciation	Market Value End of Year	
July 1, 2008	833,500,000	70,000,000	12,500,000	(80,100,000)	(2,500,000)	25,000,000	(147,700,000)	710,700,000
July 1, 2009	710,700,000	52,600,000	13,100,000	(82,900,000)	(2,100,000)	21,300,000	15,900,000	728,600,000
July 1, 2010	728,600,000	56,500,000	13,700,000	(85,900,000)	(2,200,000)	21,900,000	38,000,000	770,600,000
July 1, 2011	770,600,000	62,200,000	14,300,000	(88,900,000)	(2,300,000)	23,100,000	40,400,000	819,400,000
July 1, 2012	819,400,000	67,400,000	15,000,000	(92,000,000)	(2,500,000)	24,600,000	43,000,000	874,900,000
July 1, 2013	874,900,000	72,900,000	15,600,000	(95,200,000)	(2,600,000)	26,200,000	46,100,000	937,900,000
July 1, 2014	938,000,000	77,400,000	16,300,000	(98,500,000)	(2,800,000)	28,100,000	49,500,000	1,008,000,000
July 1, 2015	1,008,100,000	79,800,000	17,100,000	(102,000,000)	(3,000,000)	30,200,000	53,200,000	1,083,400,000
July 1, 2016	1,083,500,000	81,900,000	17,800,000	(105,600,000)	(3,300,000)	32,500,000	57,200,000	1,164,100,000
July 1, 2017	1,164,200,000	84,000,000	18,600,000	(109,200,000)	(3,500,000)	34,900,000	61,400,000	1,250,400,000
July 1, 2018	1,250,600,000	86,200,000	19,500,000	(113,000,000)	(3,800,000)	37,500,000	66,000,000	1,342,900,000
July 1, 2019	1,342,900,000	88,500,000	20,400,000	(117,000,000)	(4,000,000)	40,300,000	70,900,000	1,442,000,000
July 1, 2020	1,441,900,000	90,900,000	21,300,000	(121,100,000)	(4,300,000)	43,300,000	76,100,000	1,548,100,000
July 1, 2021	1,548,000,000	93,300,000	22,200,000	(125,300,000)	(4,600,000)	46,400,000	81,700,000	1,661,700,000
July 1, 2022	1,661,600,000	95,800,000	23,200,000	(129,700,000)	(5,000,000)	49,800,000	87,600,000	1,783,300,000
July 1, 2023	1,783,400,000	98,300,000	24,300,000	(134,300,000)	(5,400,000)	53,500,000	94,100,000	1,913,900,000
July 1, 2024	1,913,900,000	101,000,000	25,400,000	(139,000,000)	(5,700,000)	57,400,000	100,900,000	2,063,900,000
July 1, 2025	2,063,900,000	103,700,000	26,500,000	(143,800,000)	(6,200,000)	61,600,000	108,300,000	2,204,000,000
July 1, 2026	2,204,100,000	106,500,000	27,700,000	(148,900,000)	(6,600,000)	66,100,000	116,200,000	2,366,100,000
July 1, 2027	2,366,100,000	109,400,000	28,900,000	(154,100,000)	(7,100,000)	71,000,000	124,700,000	2,537,900,000
July 1, 2028	2,538,000,000	112,400,000	30,300,000	(159,500,000)	(7,600,000)	76,100,000	133,900,000	2,723,600,000
July 1, 2029	2,723,600,000	115,400,000	31,600,000	(165,000,000)	(8,200,000)	81,700,000	143,600,000	2,922,600,000
July 1, 2030	2,922,700,000	118,600,000	33,000,000	(170,800,000)	(8,800,000)	87,700,000	154,100,000	3,136,600,000
July 1, 2031	3,136,600,000	121,900,000	34,500,000	(176,800,000)	(9,400,000)	94,100,000	165,400,000	3,366,200,000
July 1, 2032	3,366,200,000	125,200,000	36,100,000	(183,000,000)	(10,100,000)	101,000,000	177,600,000	3,613,000,000
July 1, 2033	3,613,000,000	128,700,000	37,700,000	(189,400,000)	(10,800,000)	108,400,000	190,600,000	3,878,200,000
July 1, 2034	3,878,100,000	132,300,000	39,400,000	(196,000,000)	(11,600,000)	116,300,000	204,600,000	4,163,100,000
July 1, 2035	4,163,100,000	136,000,000	41,200,000	(202,900,000)	(12,500,000)	124,900,000	219,600,000	4,469,400,000

25-year Open Amortization								
	A	B	C	D	E	F	G	H=A+B+C+D+E+F+G
Plan Year Beginning	Market Value Beginning of Year	City Contributions	Employee Contributions	Benefit Payments	Expenses	Interest and Dividends	Asset Appreciation/(Depreciation)	Market Value End of Year
July 1, 2008	833,600,000	70,000,000	12,600,000	(80,100,000)	(2,500,000)	25,000,000	(147,700,000)	710,700,000
July 1, 2009	710,700,000	67,200,000	13,100,000	(82,900,000)	(2,100,000)	21,300,000	16,000,000	733,300,000
July 1, 2010	733,300,000	61,500,000	13,700,000	(85,900,000)	(2,200,000)	22,000,000	38,400,000	780,800,000
July 1, 2011	780,900,000	67,500,000	14,300,000	(88,900,000)	(2,300,000)	23,400,000	41,100,000	836,000,000
July 1, 2012	836,000,000	72,900,000	15,000,000	(92,000,000)	(2,500,000)	25,100,000	44,100,000	898,600,000
July 1, 2013	898,600,000	78,700,000	15,600,000	(95,200,000)	(2,700,000)	27,000,000	47,600,000	969,600,000
July 1, 2014	969,600,000	83,200,000	16,300,000	(98,500,000)	(2,900,000)	29,100,000	51,400,000	1,048,200,000
July 1, 2016	1,048,200,000	85,300,000	17,100,000	(102,000,000)	(3,100,000)	31,400,000	55,600,000	1,132,600,000
July 1, 2016	1,132,600,000	87,100,000	17,800,000	(105,500,000)	(3,400,000)	34,000,000	60,000,000	1,222,600,000
July 1, 2017	1,222,600,000	88,900,000	18,600,000	(109,200,000)	(3,700,000)	36,700,000	64,700,000	1,318,600,000
July 1, 2018	1,318,600,000	90,700,000	19,500,000	(113,000,000)	(4,000,000)	39,600,000	69,800,000	1,421,100,000
July 1, 2019	1,420,900,000	92,600,000	20,400,000	(117,000,000)	(4,300,000)	42,600,000	75,200,000	1,530,400,000
July 1, 2020	1,530,400,000	94,500,000	21,300,000	(121,100,000)	(4,600,000)	45,900,000	80,900,000	1,647,300,000
July 1, 2021	1,647,300,000	96,500,000	22,200,000	(125,300,000)	(4,900,000)	49,400,000	87,000,000	1,772,200,000
July 1, 2022	1,772,200,000	98,500,000	23,200,000	(129,700,000)	(5,300,000)	53,200,000	93,600,000	1,906,700,000
July 1, 2023	1,906,700,000	100,600,000	24,300,000	(134,300,000)	(5,700,000)	57,200,000	100,600,000	2,048,400,000
July 1, 2024	2,048,600,000	102,800,000	25,400,000	(139,000,000)	(6,100,000)	61,500,000	108,100,000	2,201,200,000
July 1, 2026	2,201,100,000	105,000,000	26,500,000	(143,800,000)	(6,600,000)	66,000,000	116,200,000	2,364,400,000
July 1, 2026	2,364,400,000	107,300,000	27,700,000	(148,900,000)	(7,100,000)	70,900,000	124,800,000	2,639,100,000
July 1, 2027	2,639,100,000	109,600,000	28,900,000	(154,100,000)	(7,600,000)	76,200,000	134,000,000	2,726,100,000
July 1, 2028	2,726,100,000	112,000,000	30,300,000	(159,500,000)	(8,200,000)	81,800,000	143,800,000	2,926,300,000
July 1, 2029	2,926,300,000	114,500,000	31,600,000	(165,000,000)	(8,800,000)	87,800,000	154,400,000	3,140,800,000
July 1, 2030	3,140,700,000	117,000,000	33,000,000	(170,800,000)	(9,400,000)	94,200,000	166,600,000	3,370,300,000
July 1, 2031	3,370,400,000	119,600,000	34,500,000	(176,800,000)	(10,100,000)	101,100,000	177,700,000	3,616,400,000
July 1, 2032	3,616,400,000	122,300,000	36,100,000	(183,000,000)	(10,800,000)	108,500,000	190,700,000	3,880,200,000
July 1, 2033	3,880,100,000	125,000,000	37,700,000	(189,400,000)	(11,600,000)	116,400,000	204,600,000	4,162,800,000
July 1, 2034	4,162,800,000	127,900,000	39,400,000	(196,000,000)	(12,500,000)	124,900,000	219,500,000	4,466,000,000
July 1, 2036	4,466,900,000	130,800,000	41,200,000	(202,900,000)	(13,400,000)	134,000,000	235,500,000	4,791,100,000

Appendix D – Annual Net Cash Flows – Componentized Amortization Schedule #1

Plan Year Beginning	UAL pre-2001 amortized to 2024; UAL @ 2005 amortized to 2024; UAL @ 2008 amortized over 25-year closed period (ie. 2033)							Market Value End of Year
	A Market Value Beginning of Year	B City Contributions	C Employee Contributions	D Benefit Payments	E Expenses	F Interest and Dividends	G Asset Appreciation/(Depreciation)	
July 1, 2008	833,600,000	70,000,000	12,500,000	(80,100,000)	(2,500,000)	25,000,000	(147,700,000)	710,700,000
July 1, 2009	710,700,000	67,200,000	13,100,000	(82,900,000)	(2,100,000)	21,300,000	16,300,000	743,600,000
July 1, 2010	743,600,000	73,800,000	13,700,000	(85,900,000)	(2,200,000)	22,300,000	39,500,000	804,700,000
July 1, 2011	804,700,000	71,700,000	14,300,000	(88,900,000)	(2,400,000)	24,100,000	42,500,000	866,000,000
July 1, 2012	866,000,000	90,100,000	15,000,000	(92,000,000)	(2,600,000)	26,000,000	46,400,000	948,900,000
July 1, 2013	948,900,000	99,600,000	15,600,000	(95,200,000)	(2,800,000)	28,500,000	51,100,000	1,046,700,000
July 1, 2014	1,046,700,000	107,600,000	16,300,000	(98,500,000)	(3,100,000)	31,400,000	56,400,000	1,165,800,000
July 1, 2016	1,165,800,000	112,900,000	17,100,000	(102,000,000)	(3,500,000)	34,700,000	62,400,000	1,277,400,000
July 1, 2016	1,277,400,000	118,000,000	17,800,000	(105,500,000)	(3,800,000)	38,300,000	68,900,000	1,411,100,000
July 1, 2017	1,411,100,000	123,400,000	18,600,000	(109,200,000)	(4,200,000)	42,300,000	76,100,000	1,558,100,000
July 1, 2018	1,558,000,000	129,000,000	19,500,000	(113,000,000)	(4,700,000)	46,700,000	84,000,000	1,719,600,000
July 1, 2019	1,719,600,000	134,900,000	20,400,000	(117,000,000)	(5,200,000)	51,600,000	92,600,000	1,896,800,000
July 1, 2020	1,896,700,000	141,100,000	21,300,000	(121,100,000)	(5,700,000)	56,900,000	102,100,000	2,091,300,000
July 1, 2021	2,091,300,000	147,600,000	22,200,000	(125,300,000)	(6,300,000)	62,700,000	112,600,000	2,304,800,000
July 1, 2022	2,304,800,000	154,400,000	23,200,000	(129,700,000)	(6,900,000)	69,100,000	124,000,000	2,638,800,000
July 1, 2023	2,638,000,000	161,600,000	24,300,000	(134,300,000)	(7,600,000)	76,200,000	136,600,000	2,796,800,000
July 1, 2024	2,796,800,000	169,200,000	25,400,000	(139,000,000)	(8,400,000)	83,800,000	150,400,000	3,077,300,000
July 1, 2026	3,077,300,000	137,600,000	26,500,000	(143,800,000)	(9,200,000)	92,300,000	163,900,000	3,344,600,000
July 1, 2027	3,344,600,000	96,300,000	27,700,000	(148,900,000)	(10,000,000)	100,300,000	176,300,000	3,586,300,000
July 1, 2028	3,586,300,000	92,900,000	28,900,000	(154,100,000)	(10,800,000)	107,600,000	188,800,000	3,839,600,000
July 1, 2029	3,839,700,000	95,600,000	30,300,000	(159,500,000)	(11,500,000)	115,200,000	202,200,000	4,112,000,000
July 1, 2030	4,111,900,000	98,900,000	31,600,000	(165,000,000)	(12,300,000)	123,400,000	216,600,000	4,405,100,000
July 1, 2031	4,406,000,000	101,800,000	33,000,000	(170,800,000)	(13,200,000)	132,100,000	232,100,000	4,720,000,000
July 1, 2032	4,720,000,000	103,700,000	34,500,000	(176,800,000)	(14,200,000)	141,600,000	248,600,000	5,067,400,000
July 1, 2033	5,067,600,000	103,800,000	36,100,000	(183,000,000)	(15,200,000)	151,700,000	266,400,000	5,417,300,000
July 1, 2034	5,417,200,000	97,000,000	37,700,000	(189,400,000)	(16,300,000)	162,500,000	285,000,000	5,793,700,000
July 1, 2036	6,793,700,000	22,300,000	39,400,000	(196,000,000)	(17,400,000)	173,800,000	301,800,000	6,117,600,000
	6,117,600,000	0	41,200,000	(202,900,000)	(18,400,000)	183,500,000	317,900,000	6,438,900,000

Appendix E – Annual Net Cash Flows – Componentized Amortization Schedule #2

UAL pre-2001 amortized to 2019; UAL @ 2005 amortized to 2024; UAL @ 2008 amortized over 25-year closed period (le. 2033)								
Plan Year Beginning	A	B	C	D	E	F	G	H=A+B+C+D+E+F+G
	Market Value Beginning of Year	City Contributions	Employee Contributions	Benefit Payments	Expenses	Interest and Dividends	Asset Appreciation/(Depreciation)	Market Value End of Year
July 1, 2008	833,600,000	70,000,000	12,500,000	(80,100,000)	(2,500,000)	25,000,000	(147,700,000)	710,700,000
July 1, 2009	710,700,000	74,300,000	13,100,000	(82,800,000)	(2,100,000)	21,300,000	16,500,000	760,900,000
July 1, 2010	760,800,000	81,600,000	13,700,000	(85,900,000)	(2,300,000)	22,500,000	40,200,000	820,600,000
July 1, 2011	820,700,000	79,200,000	14,300,000	(88,900,000)	(2,500,000)	24,600,000	43,700,000	891,100,000
July 1, 2012	891,300,000	98,800,000	15,000,000	(92,000,000)	(2,700,000)	26,700,000	48,100,000	986,200,000
July 1, 2013	986,200,000	108,800,000	15,600,000	(95,200,000)	(3,000,000)	29,600,000	53,400,000	1,094,400,000
July 1, 2014	1,094,400,000	117,300,000	16,300,000	(98,500,000)	(3,300,000)	32,800,000	59,400,000	1,218,400,000
July 1, 2015	1,218,400,000	123,100,000	17,100,000	(102,000,000)	(3,700,000)	36,600,000	66,100,000	1,356,600,000
July 1, 2016	1,356,700,000	128,800,000	17,800,000	(105,500,000)	(4,100,000)	40,700,000	73,500,000	1,606,900,000
July 1, 2017	1,606,800,000	134,700,000	18,600,000	(109,200,000)	(4,500,000)	45,200,000	81,600,000	1,873,200,000
July 1, 2018	1,673,100,000	140,900,000	19,500,000	(113,000,000)	(5,000,000)	50,200,000	90,500,000	1,866,200,000
July 1, 2019	1,866,100,000	128,200,000	20,400,000	(117,000,000)	(5,600,000)	55,700,000	99,600,000	2,037,400,000
July 1, 2020	2,037,400,000	112,000,000	21,300,000	(121,100,000)	(6,100,000)	61,100,000	108,500,000	2,213,100,000
July 1, 2021	2,213,100,000	115,100,000	22,200,000	(125,300,000)	(6,600,000)	66,400,000	117,800,000	2,402,700,000
July 1, 2022	2,402,600,000	120,200,000	23,200,000	(129,700,000)	(7,200,000)	72,100,000	127,900,000	2,609,100,000
July 1, 2023	2,609,000,000	125,600,000	24,300,000	(134,300,000)	(7,800,000)	78,300,000	138,900,000	2,834,000,000
July 1, 2024	2,834,000,000	131,200,000	25,400,000	(139,000,000)	(8,500,000)	85,000,000	150,900,000	3,079,000,000
July 1, 2025	3,078,900,000	116,500,000	26,500,000	(143,800,000)	(9,200,000)	92,400,000	163,100,000	3,324,400,000
July 1, 2026	3,324,300,000	96,700,000	27,700,000	(148,900,000)	(10,000,000)	99,700,000	175,200,000	3,564,700,000
July 1, 2027	3,564,900,000	96,600,000	28,900,000	(154,100,000)	(10,700,000)	106,900,000	187,800,000	3,820,300,000
July 1, 2028	3,820,400,000	99,700,000	30,300,000	(159,500,000)	(11,500,000)	114,600,000	201,300,000	4,096,300,000
July 1, 2029	4,096,300,000	103,000,000	31,600,000	(165,000,000)	(12,300,000)	122,900,000	215,900,000	4,391,400,000
July 1, 2030	4,391,300,000	106,000,000	33,000,000	(170,800,000)	(13,200,000)	131,700,000	231,500,000	4,709,600,000
July 1, 2031	4,709,600,000	108,200,000	34,500,000	(176,800,000)	(14,100,000)	141,300,000	248,300,000	5,061,000,000
July 1, 2032	5,060,900,000	108,700,000	36,100,000	(183,000,000)	(15,200,000)	151,500,000	266,200,000	5,416,200,000
July 1, 2033	5,416,300,000	102,900,000	37,700,000	(189,400,000)	(16,200,000)	162,500,000	286,100,000	5,797,900,000
July 1, 2034	5,797,800,000	23,600,000	39,400,000	(196,000,000)	(17,400,000)	173,900,000	302,100,000	6,123,400,000
July 1, 2035	6,123,400,000	0	41,200,000	(202,900,000)	(18,400,000)	183,700,000	318,200,000	6,446,200,000

ATLANTA FIRE AND POLICE PENSION PLANS

CURRENT AMORTIZATION SCHEDULE

ESTIMATED 2010 CITY CONTRIBUTION (CURRENT AMORTIZATION SCHEDULE)

	<u>Fire Plan</u>	<u>Police Plan</u>
Actuarial accrued liability	\$701,114,000	\$982,492,000
Actuarial value of assets	<u>(\$415,341,000)</u>	<u>(\$616,708,000)</u>
Unfunded accrued liability (UAAL)	\$285,773,000	\$365,784,000
Estimated 2010 payroll	\$43,683,000	\$84,154,000

Minimum required contribution:

Amortization payment towards UAAL	\$25,720,000	\$32,782,000
Normal cost	\$12,013,000	\$23,205,000
Less employee contribution	<u>(\$2,901,000)</u>	<u>(\$5,453,000)</u>
2010 estimated City contribution	<u>\$34,832,000</u>	<u>\$50,534,000</u>

Minimum required contribution (as a % of payroll):

Due to amortization of UAAL	58.88%	38.95%
Due to normal cost	27.50%	27.57%
Less effective employee contribution %	<u>-6.64%</u>	<u>-6.48%</u>
2010 estimated City contribution	<u>79.74%</u>	<u>60.04%</u>

NOTE: Based on assumptions used to complete the January 1, 2008 actuarial valuation of the plan except that the mortality basis has been changed to the RP-2000 mortality tables for annuitants and non-annuitants.

CURRENT AMORTIZATION SCHEDULE PROJECTIONS

Year	15-Year Amortization (Fire)		15-Year Amortization (Police)		Market Value of Assets (Fire)		Market Value of Assets (Police)	
	Unfunded Liability	Payment	Unfunded Liability	Payment	Benefit Payments	Market Value	Benefit Payments	Market Value
2009	\$285,773,000	\$19,863,000	\$365,784,000	\$25,898,000	\$33,210,000	\$342,916,000	\$42,273,000	\$516,309,000
2010	\$286,518,000	\$25,720,000	\$366,227,000	\$32,782,000	\$34,124,000	\$364,726,000	\$43,639,000	\$558,363,000
2011	\$281,010,000	\$26,749,000	\$359,287,000	\$34,093,000	\$36,699,000	\$393,727,000	\$45,896,000	\$608,793,000
2012	\$273,966,000	\$27,819,000	\$350,397,000	\$35,457,000	\$37,518,000	\$423,749,000	\$47,489,000	\$662,887,000
2013	\$265,223,000	\$28,932,000	\$339,348,000	\$36,875,000	\$39,318,000	\$456,752,000	\$48,821,000	\$721,702,000
2014	\$254,604,000	\$30,089,000	\$325,915,000	\$38,350,000	\$39,952,000	\$492,009,000	\$50,558,000	\$785,962,000
2015	\$241,915,000	\$31,293,000	\$309,851,000	\$39,884,000	\$40,589,000	\$530,967,000	\$52,433,000	\$855,759,000
2016	\$226,945,000	\$32,545,000	\$290,889,000	\$41,479,000	\$41,659,000	\$573,975,000	\$54,798,000	\$931,473,000
2017	\$209,466,000	\$33,847,000	\$268,739,000	\$43,138,000	\$43,263,000	\$620,966,000	\$58,383,000	\$1,013,153,000
2018	\$189,229,000	\$35,201,000	\$243,085,000	\$44,864,000	\$44,968,000	\$671,764,000	\$61,270,000	\$1,100,096,000
2019	\$165,965,000	\$36,609,000	\$213,583,000	\$46,659,000	\$46,659,000	\$728,632,000	\$65,091,000	\$1,193,542,000
2020	\$139,381,000	\$38,073,000	\$179,861,000	\$48,525,000	\$47,711,000	\$785,976,000	\$68,738,000	\$1,293,136,000
2021	\$109,159,000	\$39,596,000	\$141,515,000	\$50,466,000	\$48,973,000	\$850,886,000	\$71,643,000	\$1,399,649,000
2022	\$74,954,000	\$41,180,000	\$98,105,000	\$52,485,000	\$50,586,000	\$921,657,000	\$74,735,000	\$1,514,507,000
2023	\$38,391,000	\$36,391,000	\$49,156,000	\$48,156,000	\$51,836,000	\$998,465,000	\$78,726,000	\$1,638,288,000
2024	\$0	\$0	\$0	\$0	\$53,592,000	\$1,075,563,000	\$82,516,000	\$1,765,243,000
2025	\$0	\$0	\$0	\$0	\$54,597,000	\$1,119,668,000	\$86,066,000	\$1,848,305,000
2026	\$0	\$0	\$0	\$0	\$58,648,000	\$1,166,803,000	\$89,267,000	\$1,935,396,000
2027	\$0	\$0	\$0	\$0	\$57,360,000	\$1,214,068,000	\$92,632,000	\$2,027,241,000
2028	\$0	\$0	\$0	\$0	\$59,551,000	\$1,267,041,000	\$96,915,000	\$2,124,092,000
2029	\$0	\$0	\$0	\$0				
2030	\$0	\$0	\$0	\$0				
2031	\$0	\$0	\$0	\$0				
2032	\$0	\$0	\$0	\$0				
2033	\$0	\$0	\$0	\$0				
2034	\$0	\$0	\$0	\$0				
2035	\$0	\$0	\$0	\$0				
2036	\$0	\$0	\$0	\$0				
2037	\$0	\$0	\$0	\$0				
2038	\$0	\$0	\$0	\$0				
TOTAL	\$483,907,000	\$620,111,000						

NOTE: Assumes a 7.75% annualized return after January 1, 2009 and no other experience gains or losses after that date.

ATLANTA FIRE AND POLICE PENSION PLANS

CURRENT AMORTIZATION SCHEDULE FOR UAL PRIOR TO 2002;
CLOSED 25-YEAR AMORTIZATION SCHEDULE FOR UAL THEREAFTER

ESTIMATED 2010 CITY CONTRIBUTION (CURRENT AMORT. SCHEDULE FOR UAL PRIOR TO 2002;
CLOSED 25-YR. AMORT. SCHED. FOR UAL THEREAFTER)

	<u>Fire Plan</u>	<u>Police Plan</u>
Actuarial accrued liability	\$701,114,000	\$982,492,000
Actuarial value of assets	<u>(\$415,341,000)</u>	<u>(\$616,708,000)</u>
Unfunded accrued liability (UAAL)	\$285,773,000	\$365,784,000
Estimated 2010 payroll	\$43,683,000	\$84,154,000
<u>Minimum required contribution:</u>		
Amortization payment towards UAAL	\$18,464,000	\$24,698,000
Normal cost	\$12,013,000	\$23,205,000
Less employee contribution	<u>(\$2,901,000)</u>	<u>(\$5,453,000)</u>
2010 estimated City contribution	<u>\$27,576,000</u>	<u>\$42,450,000</u>
<u>Minimum required contribution (as a % of payroll):</u>		
Due to amortization of UAAL	42.27%	29.35%
Due to normal cost	27.50%	27.57%
Less effective employee contribution %	<u>-6.64%</u>	<u>-6.48%</u>
2010 estimated City contribution	<u>63.13%</u>	<u>50.44%</u>
2010 ESTIMATED SAVINGS ==>	<u>\$7,256,000</u>	<u>\$8,084,000</u>

NOTE: Based on assumptions used to complete the January 1, 2008 actuarial valuation of the plan except that the mortality basis has been changed to the RP-2000 mortality tables for annuitants and non-annuitants.

**CURRENT AMORTIZATION SCHEDULE FOR UAL PRIOR TO 2002;
CLOSED 25-YEAR AMORTIZATION SCHEDULE FOR UAL THEREAFTER**

<u>Year</u>	<u>Amortization (Fire)</u>		<u>Amortization (Police)</u>		<u>Market Value of Assets (Fire)</u>		<u>Market Value of Assets (Police)</u>	
	<u>Unfunded Liability</u>	<u>Payment</u>	<u>Unfunded Liability</u>	<u>Payment</u>	<u>Benefit Payments</u>	<u>Market Value</u>	<u>Benefit Payments</u>	<u>Market Value</u>
2009	\$285,773,000	\$19,863,000	\$365,784,000	\$25,898,000	\$33,210,000	\$342,916,000	\$42,273,000	\$516,309,000
2010	\$286,518,000	\$18,464,000	\$366,227,000	\$24,698,000	\$34,124,000	\$364,726,000	\$43,639,000	\$558,363,000
2011	\$288,828,000	\$17,243,000	\$367,997,000	\$23,599,000	\$36,699,000	\$386,195,000	\$45,896,000	\$600,402,000
2012	\$292,633,000	\$17,684,000	\$371,089,000	\$24,274,000	\$37,518,000	\$405,766,000	\$47,489,000	\$642,952,000
2013	\$296,258,000	\$18,138,000	\$373,693,000	\$24,970,000	\$39,318,000	\$426,855,000	\$48,821,000	\$688,614,000
2014	\$299,674,000	\$18,605,000	\$375,749,000	\$25,689,000	\$39,952,000	\$448,590,000	\$50,558,000	\$737,952,000
2015	\$302,852,000	\$19,085,000	\$377,190,000	\$26,431,000	\$40,589,000	\$472,262,000	\$52,433,000	\$790,886,000
2016	\$305,759,000	\$19,576,000	\$377,943,000	\$27,196,000	\$41,659,000	\$498,048,000	\$54,798,000	\$847,608,000
2017	\$308,360,000	\$20,087,000	\$377,930,000	\$27,986,000	\$43,263,000	\$525,694,000	\$58,383,000	\$907,962,000
2018	\$310,614,000	\$20,610,000	\$377,065,000	\$28,802,000	\$44,968,000	\$554,825,000	\$61,270,000	\$971,025,000
2019	\$312,479,000	\$21,148,000	\$375,253,000	\$29,645,000	\$46,659,000	\$585,484,000	\$65,091,000	\$1,037,795,000
2020	\$313,909,000	\$21,702,000	\$372,393,000	\$30,515,000	\$47,711,000	\$617,840,000	\$68,738,000	\$1,107,658,000
2021	\$314,863,000	\$22,272,000	\$368,374,000	\$31,413,000	\$48,973,000	\$652,725,000	\$71,843,000	\$1,181,102,000
2022	\$315,256,000	\$22,859,000	\$363,075,000	\$32,340,000	\$50,586,000	\$690,156,000	\$74,735,000	\$1,259,245,000
2023	\$315,058,000	\$16,771,000	\$366,367,000	\$18,961,000	\$51,836,000	\$730,005,000	\$78,726,000	\$1,342,332,000
2024	\$321,404,000	\$17,091,000	\$363,555,000	\$19,333,000	\$53,592,000	\$765,931,000	\$82,516,000	\$1,415,007,000
2025	\$327,897,000	\$17,437,000	\$370,899,000	\$19,723,000	\$54,597,000	\$803,781,000	\$86,066,000	\$1,490,994,000
2026	\$334,521,000	\$17,789,000	\$378,392,000	\$20,122,000	\$58,648,000	\$844,536,000	\$89,267,000	\$1,570,866,000
2027	\$341,279,000	\$18,148,000	\$386,036,000	\$20,528,000	\$57,360,000	\$885,289,000	\$92,632,000	\$1,656,347,000
2028	\$348,174,000	\$18,515,000	\$393,635,000	\$20,943,000	\$59,551,000	\$931,620,000	\$96,915,000	\$1,744,685,000
2029	\$355,208,000	\$18,889,000	\$401,791,000	\$21,366,000				
2030	\$362,384,000	\$19,270,000	\$409,908,000	\$21,798,000				
2031	\$369,705,000	\$19,660,000	\$418,189,000	\$22,238,000				
2032	\$377,173,000	\$20,057,000	\$426,637,000	\$22,687,000				
2033	\$384,792,000	\$20,462,000	\$435,256,000	\$23,146,000				
2034	\$392,566,000	\$20,875,000	\$444,049,000	\$23,613,000				
2035	\$400,497,000	\$21,297,000	\$453,020,000	\$24,090,000				
2036	\$408,589,000	\$21,727,000	\$462,172,000	\$24,577,000				
2037	\$416,843,000	\$22,166,000	\$471,503,000	\$25,073,000				
2038	\$425,264,000	\$22,614,000	\$481,035,000	\$25,580,000				
	TOTAL =	\$590,106,000	TOTAL =	\$737,234,000				

NOTE: Assumes a 7.75% annualized return after January 1, 2009 and no other experience gains or losses after that date.

ATLANTA FIRE AND POLICE PENSION PLANS

ROLLING 25-YEAR AMORTIZATION SCHEDULE

ESTIMATED 2010 CITY CONTRIBUTION (ROLLING 25-YEAR AMORTIZATION SCHEDULE)

	<u>Fire Plan</u>	<u>Police Plan</u>
Actuarial accrued liability	\$701,114,000	\$982,492,000
Actuarial value of assets	<u>(\$415,341,000)</u>	<u>(\$616,708,000)</u>
Unfunded accrued liability (UAAL)	\$285,773,000	\$365,784,000
Estimated 2010 payroll	\$43,683,000	\$84,154,000

Minimum required contribution:

Amortization payment towards UAAL	\$17,116,000	\$21,816,000
Normal cost	\$12,013,000	\$23,205,000
Less employee contribution	<u>(\$2,901,000)</u>	<u>(\$5,453,000)</u>
2010 estimated City contribution	<u>\$26,228,000</u>	<u>\$39,568,000</u>

Minimum required contribution (as a % of payroll):

Due to amortization of UAAL	39.18%	25.92%
Due to normal cost	27.50%	27.57%
Less effective employee contribution %	<u>-6.64%</u>	<u>-6.48%</u>
2010 estimated City contribution	<u>60.04%</u>	<u>47.01%</u>

2010 ESTIMATED SAVINGS ==>

\$8,604,000

\$10,966,000

NOTE: Based on assumptions used to complete the January 1, 2008 actuarial valuation of the plan except that the mortality basis has been changed to the RP-2000 mortality tables for annuitants and non-annuitants.

ROLLING 25-YEAR AMORTIZATION SCHEDULE PROJECTIONS

Year	Rolling 25-Year Amortization (Fire)		Rolling 25-Year Amortization (Police)		Market Value of Assets (Fire)		Market Value of Assets (Police)	
	Unfunded Liability	Payment	Unfunded Liability	Payment	Benefit Payments	Market Value	Benefit Payments	Market Value
2009	\$285,773,000	\$19,863,000	\$365,784,000	\$25,898,000	\$33,210,000	\$342,916,000	\$42,273,000	\$516,309,000
2010	\$286,518,000	\$17,116,000	\$366,227,000	\$21,816,000	\$34,124,000	\$364,726,000	\$43,639,000	\$558,363,000
2011	\$290,281,000	\$17,195,000	\$371,103,000	\$21,983,000	\$36,699,000	\$384,796,000	\$45,896,000	\$597,410,000
2012	\$294,250,000	\$17,430,000	\$376,177,000	\$22,283,000	\$37,518,000	\$404,209,000	\$47,489,000	\$638,051,000
2013	\$298,274,000	\$17,669,000	\$381,321,000	\$22,588,000	\$39,318,000	\$424,914,000	\$48,821,000	\$681,266,000
2014	\$302,352,000	\$17,910,000	\$386,535,000	\$22,897,000	\$39,952,000	\$446,012,000	\$50,558,000	\$727,561,000
2015	\$306,486,000	\$18,155,000	\$391,820,000	\$23,210,000	\$40,589,000	\$468,763,000	\$52,433,000	\$776,791,000
2016	\$310,677,000	\$18,403,000	\$397,177,000	\$23,527,000	\$41,659,000	\$493,313,000	\$54,798,000	\$829,077,000
2017	\$314,925,000	\$18,655,000	\$402,608,000	\$23,849,000	\$43,263,000	\$519,372,000	\$58,383,000	\$884,186,000
2018	\$319,231,000	\$18,910,000	\$408,113,000	\$24,175,000	\$44,968,000	\$546,526,000	\$61,270,000	\$941,112,000
2019	\$323,596,000	\$19,169,000	\$413,693,000	\$24,506,000	\$46,659,000	\$574,777,000	\$65,091,000	\$1,000,761,000
2020	\$328,020,000	\$19,431,000	\$419,349,000	\$24,841,000	\$47,711,000	\$604,249,000	\$68,738,000	\$1,062,419,000
2021	\$332,505,000	\$19,696,000	\$425,082,000	\$25,180,000	\$48,973,000	\$635,724,000	\$71,643,000	\$1,126,467,000
2022	\$337,052,000	\$19,966,000	\$430,894,000	\$25,525,000	\$50,886,000	\$669,163,000	\$74,735,000	\$1,193,906,000
2023	\$341,660,000	\$20,239,000	\$436,785,000	\$25,874,000	\$51,836,000	\$704,382,000	\$78,726,000	\$1,264,855,000
2024	\$346,331,000	\$20,515,000	\$442,757,000	\$26,227,000	\$53,592,000	\$741,922,000	\$82,516,000	\$1,338,702,000
2025	\$351,067,000	\$20,796,000	\$448,811,000	\$26,586,000	\$54,597,000	\$781,465,000	\$86,066,000	\$1,415,932,000
2026	\$355,867,000	\$21,080,000	\$454,947,000	\$26,950,000	\$58,648,000	\$823,976,000	\$89,267,000	\$1,497,111,000
2027	\$360,733,000	\$21,369,000	\$461,167,000	\$27,318,000	\$57,360,000	\$866,553,000	\$92,632,000	\$1,582,964,000
2028	\$365,665,000	\$21,661,000	\$467,472,000	\$27,691,000	\$59,551,000	\$914,775,000	\$96,915,000	\$1,673,740,000
2029	\$370,664,000	\$21,957,000	\$473,864,000	\$28,070,000				
2030	\$375,732,000	\$22,257,000	\$480,343,000	\$28,454,000				
2031	\$380,869,000	\$22,561,000	\$486,910,000	\$28,843,000				
2032	\$386,077,000	\$22,870,000	\$493,567,000	\$29,237,000				
2033	\$391,356,000	\$23,183,000	\$500,316,000	\$29,637,000				
2034	\$396,706,000	\$23,500,000	\$507,157,000	\$30,042,000				
2035	\$402,129,000	\$23,821,000	\$514,091,000	\$30,453,000				
2036	\$407,627,000	\$24,146,000	\$521,120,000	\$30,869,000				
2037	\$413,201,000	\$24,477,000	\$528,245,000	\$31,291,000				
2038	\$418,850,000	\$24,811,000	\$535,468,000	\$31,719,000				
	TOTAL =	\$618,811,000	TOTAL =	\$791,539,000				

NOTE: Assumes a 7.75% annualized return after January 1, 2009 and no other experience gains or losses after that date.

ATLANTA FIRE AND POLICE PENSION PLANS

ROLLING 30-YEAR AMORTIZATION SCHEDULE

ESTIMATED 2010 CITY CONTRIBUTION (ROLLING 30-YEAR AMORTIZATION SCHEDULE)

	<u>Fire Plan</u>	<u>Police Plan</u>
Actuarial accrued liability	\$701,114,000	\$982,492,000
Actuarial value of assets	<u>(\$415,341,000)</u>	<u>(\$616,708,000)</u>
Unfunded accrued liability (UAAL)	\$285,773,000	\$365,784,000
Estimated 2010 payroll	\$43,683,000	\$84,154,000

Minimum required contribution:

Amortization payment towards UAAL	\$15,365,000	\$19,584,000
Normal cost	\$12,013,000	\$23,205,000
Less employee contribution	<u>(\$2,901,000)</u>	<u>(\$5,453,000)</u>
2010 estimated City contribution	<u>\$24,477,000</u>	<u>\$37,336,000</u>

Minimum required contribution (as a % of payroll):

Due to amortization of UAAL	35.17%	23.27%
Due to normal cost	27.50%	27.57%
Less effective employee contribution %	<u>-6.64%</u>	<u>-6.48%</u>
2010 estimated City contribution	<u>56.03%</u>	<u>44.36%</u>

2010 ESTIMATED SAVINGS ==>	<u>\$10,355,000</u>	<u>\$13,198,000</u>
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NOTE: Based on assumptions used to complete the January 1, 2008 actuarial valuation of the plan except that the mortality basis has been changed to the RP-2000 mortality tables for annuitants and non-annuitants.

ROLLING 30-YEAR AMORTIZATION SCHEDULE PROJECTIONS

<u>Year</u>	<u>Rolling 30-Year Amortization (Fire)</u>		<u>Rolling 30-Year Amortization (Police)</u>		<u>Market Value of Assets (Fire)</u>		<u>Market Value of Assets (Police)</u>	
	<u>Unfunded Liability</u>	<u>Payment</u>	<u>Unfunded Liability</u>	<u>Payment</u>	<u>Benefit Payments</u>	<u>Market Value</u>	<u>Benefit Payments</u>	<u>Market Value</u>
2009	\$285,773,000	\$19,863,000	\$365,784,000	\$25,898,000	\$33,210,000	\$342,916,000	\$42,273,000	\$516,309,000
2010	\$286,518,000	\$15,365,000	\$366,227,000	\$19,584,000	\$34,124,000	\$364,726,000	\$43,639,000	\$558,363,000
2011	\$292,167,000	\$15,537,000	\$373,508,000	\$19,862,000	\$36,699,000	\$382,978,000	\$45,896,000	\$595,093,000
2012	\$298,039,000	\$15,850,000	\$381,054,000	\$20,263,000	\$37,518,000	\$400,529,000	\$47,489,000	\$633,353,000
2013	\$304,091,000	\$16,171,000	\$388,752,000	\$20,673,000	\$39,318,000	\$419,308,000	\$48,821,000	\$674,107,000
2014	\$310,234,000	\$16,497,000	\$396,605,000	\$21,090,000	\$39,952,000	\$438,417,000	\$50,558,000	\$717,860,000
2015	\$316,502,000	\$16,831,000	\$404,617,000	\$21,516,000	\$40,589,000	\$459,113,000	\$52,493,000	\$764,463,000
2016	\$322,896,000	\$17,171,000	\$412,791,000	\$21,951,000	\$41,659,000	\$481,541,000	\$54,798,000	\$814,036,000
2017	\$329,419,000	\$17,517,000	\$421,130,000	\$22,394,000	\$43,263,000	\$505,409,000	\$58,383,000	\$866,344,000
2018	\$336,074,000	\$17,871,000	\$429,638,000	\$22,847,000	\$44,968,000	\$530,300,000	\$61,270,000	\$920,377,000
2019	\$342,864,000	\$18,232,000	\$438,317,000	\$23,308,000	\$46,659,000	\$556,215,000	\$65,091,000	\$977,041,000
2020	\$349,791,000	\$18,601,000	\$447,172,000	\$23,779,000	\$47,711,000	\$583,276,000	\$68,738,000	\$1,035,617,000
2021	\$356,857,000	\$18,977,000	\$456,206,000	\$24,260,000	\$48,973,000	\$612,264,000	\$71,643,000	\$1,096,485,000
2022	\$364,066,000	\$19,360,000	\$465,422,000	\$24,750,000	\$50,586,000	\$643,139,000	\$74,735,000	\$1,160,645,000
2023	\$371,421,000	\$19,751,000	\$474,824,000	\$25,250,000	\$51,836,000	\$675,712,000	\$76,726,000	\$1,228,212,000
2024	\$378,924,000	\$20,150,000	\$484,416,000	\$25,760,000	\$53,592,000	\$710,524,000	\$82,516,000	\$1,298,571,000
2025	\$386,579,000	\$20,557,000	\$494,202,000	\$26,280,000	\$54,597,000	\$747,255,000	\$86,066,000	\$1,372,206,000
2026	\$394,369,000	\$20,972,000	\$504,186,000	\$26,811,000	\$58,648,000	\$786,867,000	\$89,267,000	\$1,449,679,000
2027	\$402,357,000	\$21,396,000	\$514,372,000	\$27,353,000	\$57,360,000	\$828,456,000	\$92,832,000	\$1,531,712,000
2028	\$410,435,000	\$21,828,000	\$524,763,000	\$27,905,000	\$59,551,000	\$871,599,000	\$96,915,000	\$1,618,552,000
2029	\$418,778,000	\$22,269,000	\$535,364,000	\$28,469,000				
2030	\$427,238,000	\$22,719,000	\$546,179,000	\$29,044,000				
2031	\$435,869,000	\$23,178,000	\$557,213,000	\$29,631,000				
2032	\$444,675,000	\$23,646,000	\$568,470,000	\$30,229,000				
2033	\$453,659,000	\$24,124,000	\$579,955,000	\$30,840,000				
2034	\$462,824,000	\$24,611,000	\$591,671,000	\$31,463,000				
2035	\$472,175,000	\$25,109,000	\$603,624,000	\$32,099,000				
2036	\$481,714,000	\$25,616,000	\$615,818,000	\$32,747,000				
2037	\$491,446,000	\$26,134,000	\$628,259,000	\$33,409,000				
2038	\$501,374,000	\$26,661,000	\$640,951,000	\$34,084,000				
	TOTAL =	\$612,564,000		TOTAL =	\$783,549,000			

NOTE: Assumes a 7.75% annualized return after January 1, 2009 and no other experience gains or losses after that date.

DRAFT INCOME STATEMENT

	<u>Fire Plan</u>	<u>Police Plan</u>
Market value of assets as of January 1, 2008 *	\$411,410,000	\$613,615,000
Increase due to:		
Employer contributions	\$34,426,000	\$44,434,000
Employee contributions	\$2,931,000	\$5,632,000
Investment income **	\$2,153,000	\$23,754,000
Decreases due to:		
Benefit payments	(\$27,702,000)	(\$38,531,000)
Operational expenses	(\$2,669,000)	(\$3,351,000)
Unrealized investment depreciation	(\$77,633,000)	(\$129,244,000)
Market value of assets as of January 1, 2009	<u>\$342,916,000</u>	<u>\$516,309,000</u>

* As reported in the January 1, 2008 actuarial valuation report

** Balancing item

DRAFT DEVELOPMENT OF THE ACTUARIAL VALUE OF ASSETS

	<u>Fire Plan</u>	<u>Police Plan</u>
Market value of assets as of January 1, 2009	\$342,916,000	\$516,309,000
Five-year phase-in of net investment appreciation:		
20% of 2005 appreciation	(\$1,650,000)	(\$4,483,000)
40% of 2006 appreciation	(\$866,000)	(\$12,742,000)
60% of 2007 depreciation	\$12,835,000	\$14,229,000
80% of 2008 depreciation	\$62,106,000	\$103,395,000
	<u>\$72,425,000</u>	<u>\$100,399,000</u>
Actuarial value of assets as of January 1, 2009	<u>\$415,341,000</u>	<u>\$616,708,000</u>

TRANSMITTAL FORM FOR LEGISLATION

TO: MAYOR'S OFFICE

ATTN: GREG PRIDGEON

Legislative Counsel (Signature): Jack Tilson



Contact Number: x6838

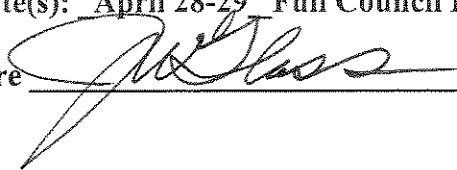
Originating Department: Department of Finance

Committee(s) of Purview: Finance Executive Committee

Council Deadline: _____

Committee Meeting Date(s): April 28-29 Full Council Date: May 4, 2009.

Commissioner Signature

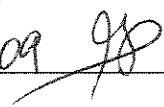


CAPTION

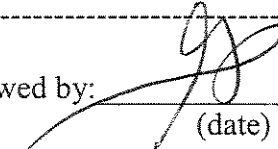
AN ORDINANCE TO AMEND THE AMORTIZATION SCHEDULES OF THE
GENERAL EMPLOYEES, POLICE OFFICERS, AND FIREFIGHTERS
PENSION PLANS FROM A FORTY YEAR CLOSED SCHEDULE TO A
THIRTY YEAR OPEN ENDED SCHEDULE; AND FOR OTHER PURPOSES.

Mayor's Staff Only

Received by Mayor's Office:

4/15/09
(date) 

Reviewed by:


(date)

Submitted to Council:

(date)